

Message Text

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53

ORIGIN COME-00

INFO OCT-01 CIAE-00 DODE-00 EB-11 INR-10 NSAE-00 RSC-01

TRSE-00 EUR-25 AEC-11 ADP-00 /059 R

DRAFTED BY COMMERCE/OEC:EFINE:MAR

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FM SECSTATE WASHDC

TO USMISSION OECD PARIS

INFO AMEMBASSY BUCHAREST

AMEMBASSY LONDON

C O N F I D E N T I A L STATE 135101

EXCON

EO 11652: XGDS-1

TAGS: ESTC, COCOM, US, RO

SUBJ: US AMPLIFIER AND PROBES TO ROMANIA - IL 1584

REFS: A. COCOM DOC(73)955

B. OECD PARIS 17633

THE P6053 PROBE IN THIS CASE IS THE SAME AS IN DOC(73)59 CASE. PROBE BANDWIDTH IS 500 MHZ (RISE TIME OF 0.7 NANO-SECONDS). THE CURRENT CATALOG SHOWS THAT FOR THE P6053A, WHICH IS ELECTRICALLY THE SAME AS THE OLDER P6053, THE MAXIMUM USEFUL BANDWIDTH WITHOUT EXCESSIVE DISTORTION IS 250 MHZ. THIS FIGURE WAS INCORRECTLY QUOTED AS THE NOMINAL BANDWIDTH. IT IS USUAL IN MAKING PRECISION MEASUREMENTS WITH AN OSCILLOSCOPE THAT THE PROBE BANDWIDTH BE SEVERAL TIMES THAT OF THE OSCILLOSCOPE TO MINIMIZE DISTORTION ON THE DISPLAY. PROBE BANDWIDTH FIVE TIMES IN EXCESS OF SCOPE BANDWIDTH IS NOT UNUSUAL. FOR THE 50 MHZ OSCILLOSCOPE
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SYSTEM BANDWIDTH IN QUESTION THIS WOULD IMPLY NEED FOR 250

MHZ PROBE. THE CATALOG SHOWS THAT THE ONLY VOLTAGE DIVIDER PROBES WITH THIS CAPABILITY ARE THE P6053 (OR P6053A WHICH IS THE CURRENT VERSION) AND THE P6054 WHICH ALSO HAS A NOMINAL 500 MHZ BANDWIDTH. WE THEREFORE CONSIDER THE CHOICE OF THE P6053 TO BE ENTIRELY JUSTIFIABLE. ROGERS

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NNN

Message Attributes

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Disposition Authority: thigpegh
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